Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/25/2019 01:07 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125930	0	1.55	125969	1.57
Blue	F	SSC	125000	124188	-1	1.55	125041	1.55
Blue	E	FITC	16122	15692	-3	2.77	342	19.68
Blue	D	PE	29316	28700	-3	1.89	627	14.68
Blue	B	PerCP-Cy5-5	42590	41798	-2	3.64	1130	20.27
Blue	A	PE-Cy7	33146	32968	-1	5.97	635	39.98
Red	C	APC	45473	44996	-2	2.51	1593	11.87
Red	A	APC-Cy7	31961	30894	-4	2.52	814	12.16
Violet	B	V450	7914	7511	-6	4.85	418	13.45
Violet	A	V500	29769	28464	-5	4.61	660	10.86

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21337	3.41	609	9	N/A	N/A	Pass
Blue	F	SSC	56356	1.11	553	15	N/A	N/A	Pass
Blue	E	FITC	62	65.09	541	4	0.0215	191	Pass
Blue	D	PE	131	49.42	543	6	0.1637	274	Pass
Blue	B	PerCP-Cy5-5	209	49.42	646	8	0.0091	54	Pass
Blue	A	PE-Cy7	118	100.74	700	9	0.0114	22	Pass
Red	C	APC	378	25.26	587	8	0.0261	210	Pass
Red	A	APC-Cy7	180	28.47	563	7	0.0053	690	Pass
Violet	B	V450	64	61.05	469	9	0.0538	2309	Pass
Violet	A	V500	99	31.06	480	8	0.0206	289	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.14	-31.88	0.95
Blue	20.34	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.52
Red	15.98	13.60 - 20.40	N/A	N/A	29.52	29.92	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 11158

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments